

75

8016-4-32448.corr-25-Nov-2003.ST25.txt  
SEQUENCE LISTING

<110> Novartis AG  
<120> Compound Screening  
<130> 4-32448A/NFI 8016  
<160> 16  
<170> PatentIn version 3.1  
<210> 1  
<211> 326  
<212> PRT  
<213> human full-length sHuR  
<220>  
<221> full-length sHuR human  
<222> (1)..(326)  
<223>  
<400> 1

Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp  
1 5 10  
Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr  
20 25 30  
Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser  
35 40 45  
Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly  
50 55 60  
Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr  
65 70 75 80  
Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala  
85 90 95  
Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly  
100 105 110  
Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg  
115 120 125  
Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly  
130 135 140  
Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala  
145 150 155 160

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser  
                   165                  170                  175

Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn  
                   180                  185                  190

Val Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly  
                   195                  200                  205

Gly Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly  
                   210                  215                  220

Val Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala  
                   225                  230                  235                  240

Ser Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp  
                   245                  250                  255

Glu Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn  
                   260                  265                  270

Val Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly  
                   275                  280                  285

Phe Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser  
                   290                  295                  300

Leu Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys  
                   305                  310                  315                  320

Thr Asn Lys Ser His Glu  
                   325

<210> 2  
 <211> 325  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> SHuR  
 <222> (2)..(325)  
 <223>

<400> 2

Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile  
   1                  5                  10                  15

Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln  
                   20                  25                  30

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala  
35 40 45

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe  
50 55 60

Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu  
65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg  
85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu  
100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe  
115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu  
130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu  
145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu  
165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln Asn Lys Asn Val  
180 185 190

Ala Leu Leu Ser Gln Leu Tyr His Ser Pro Ala Arg Arg Phe Gly Gly  
195 200 205

Pro Val His His Gln Ala Gln Arg Phe Arg Phe Ser Pro Met Gly Val  
210 215 220

Asp His Met Ser Gly Leu Ser Gly Val Asn Val Pro Gly Asn Ala Ser  
225 230 235 240

Ser Gly Trp Cys Ile Phe Ile Tyr Asn Leu Gly Gln Asp Ala Asp Glu  
245 250 255

Gly Ile Leu Trp Gln Met Phe Gly Pro Phe Gly Ala Val Thr Asn Val  
260 265 270

Lys Val Ile Arg Asp Phe Asn Thr Asn Lys Cys Lys Gly Phe Gly Phe  
Page 3

275

280

285

Val Thr Met Thr Asn Tyr Glu Glu Ala Ala Met Ala Ile Ala Ser Leu  
 290 295 300

Asn Gly Tyr Arg Leu Gly Asp Lys Ile Leu Gln Val Ser Phe Lys Thr  
 305 310 315 320

Asn Lys Ser His Glu  
 325

<210> 3  
 <211> 189  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> HuR12  
 <222> (1)..(189)  
 <223>

<400> 3

Met Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp  
 1 5 10 15

Ile Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr  
 20 25 30

Gln Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser  
 35 40 45

Ala Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly  
 50 55 60

Phe Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr  
 65 70 75 80

Leu Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala  
 85 90 95

Arg Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly  
 100 105 110

Leu Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg  
 115 120 125

Phe Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly  
 130 135 140

Leu Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala  
 145 150 155 160

Glu Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser  
 165 170 175

Glu Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln  
 180 185

<210> 4  
 <211> 188  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> HuR12  
 <222> (2)..(188)  
 <223>

<400> 4

Ser Asn Gly Tyr Glu Asp His Met Ala Glu Asp Cys Arg Gly Asp Ile  
 1 5 10 15

Gly Arg Thr Asn Leu Ile Val Asn Tyr Leu Pro Gln Asn Met Thr Gln  
 20 25 30

Asp Glu Leu Arg Ser Leu Phe Ser Ser Ile Gly Glu Val Glu Ser Ala  
 35 40 45

Lys Leu Ile Arg Asp Lys Val Ala Gly His Ser Leu Gly Tyr Gly Phe  
 50 55 60

Val Asn Tyr Val Thr Ala Lys Asp Ala Glu Arg Ala Ile Asn Thr Leu  
 65 70 75 80

Asn Gly Leu Arg Leu Gln Ser Lys Thr Ile Lys Val Ser Tyr Ala Arg  
 85 90 95

Pro Ser Ser Glu Val Ile Lys Asp Ala Asn Leu Tyr Ile Ser Gly Leu  
 100 105 110

Pro Arg Thr Met Thr Gln Lys Asp Val Glu Asp Met Phe Ser Arg Phe  
 115 120 125

Gly Arg Ile Ile Asn Ser Arg Val Leu Val Asp Gln Thr Thr Gly Leu  
 130 135 140

Ser Arg Gly Val Ala Phe Ile Arg Phe Asp Lys Arg Ser Glu Ala Glu  
 145 150 155 160

Glu Ala Ile Thr Ser Phe Asn Gly His Lys Pro Pro Gly Ser Ser Glu  
 165 170 175

Pro Ile Ala Val Lys Phe Ala Ala Asn Pro Asn Gln  
 180 185

<210> 5  
 <211> 34  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of human TNF-alpha  
 <222> (1)..(34)  
 <223>

<400> 5  
 auuuuuuuuu auuuuuuuuu uuuuuuuuuu uuuu 34

<210> 6  
 <211> 33  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of human IL-2  
 <222> (1)..(33)  
 <223>

<400> 6  
 uuuuuuuuuu auuuuuuuuu uuuuuuuuuu auu 33

<210> 7  
 <211> 33  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of IL-1 beta  
 <222> (1)..(33)  
 <223>

<400> 7  
 uuuuuuuuuu uuuuuuuuuu uguuuuuuuu auu 33

<210> 8  
 <211> 56  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of human IL-4  
 <222> (1)..(56)  
 <223>

<400> 8  
 auuuuuuuuu augaguuuuuu gauagcuuuu uuuuuuuuagu auuuuuuuuu uuauaa 56

<210> 9  
 <211> 26  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of human IL-8  
 <222> (1)..(26)  
 <223>

<400> 9  
 uauuuuuuuu uuauguauuu auuuuaa 26

<210> 10  
 <211> 35  
 <212> RNA  
 <213> Homo sapiens

<220>  
 <221> ARE sequence of human Cox-2  
 <222> (1)..(35)  
 <223>

<400> 10  
 uauuuuuuuu auuuuuuuuu aaauuuuuua uuaaa 35

<210> 11  
 <211> 17  
 <212> RNA  
 <213> artificial

<220>  
 <223> completely artificial

<400> 11  
 auuuuuuuuu uuauuuu 17

<210> 12  
 <211> 21  
 <212> RNA  
 <213> artificial

<220>  
 <223> completely artificial

<400> 12  
 auuuuuuuuu uuauuuuuuu a 21

<210> 13  
 <211> 17  
 <212> RNA  
 <213> artificial

<220>  
 <223> completely arificial

<400> 13

8016-4-32448.corr-25-Nov-2003.ST25.txt		
cuuucuuucu uucuuuc		17
<210> 14		
<211> 16		
<212> RNA		
<213> artificial		
<220>		
<223> completely artificial		
<400> 14		
auuuuuuuu uuauua		16
<210> 15		
<211> 9		
<212> RNA		
<213> artificial		
<220>		
<223> completely artificial		
<400> 15		
uuuuuuuuu		9
<210> 16		
<211> 7		
<212> RNA		
<213> artificial		
<220>		
<223> completely artificial		
<400> 16		
uuuuuuau		7